



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/809,286	03/25/2004	Chad Nelson	12477-016001	6038
26191	7590	09/19/2006		
FISH & RICHARDSON P.C. PO BOX 1022 MINNEAPOLIS, MN 55440-1022				
			EXAMINER WILSON, GREGORY A	
			ART UNIT 3749	PAPER NUMBER
DATE MAILED: 09/19/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/809,286

Applicant(s)

NELSON ET AL.

Examiner

Gregory A. Wilson

Art Unit

3749

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 July 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-3, 6, 8-13, 16 and 18-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-3, 6, 8-13, 16 and 18-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

Applicant's arguments, filed 7/13/2006, with respect to 35 U.S.C. 112 rejection to claims 21, 22, 24, and 25 have been fully considered and are persuasive. The rejection of claims 21, 22, 24, 25 with regard to the written description has been withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-3, 6, 8, 9-13, 16, and 18-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Henning et al (5,947,812)**. **Henning** discloses an air return bulkhead (22) having a peripheral portion adapted to abut a wall of a trailer (SEE Figure 15), a panel (side walls 130) coupled to and offset the peripheral portion to define a plenum (air flow cavity) between the panel and the and also aids in maintaining the panel a distance from the wall, a strap system (252, 256) which is inherently releasably securing the peripheral portion in abutment with the wall therefore securing the bulkhead to the wall such that the bulkhead can be removed without the use of tools; tapered sections containing the openings further act as a filter to prevent debris from entering the cavity (SEE column 3, lines 62-64) wherein the filter is part of the return

plenum area (SEE Figure 5) where air is drawn in and is slightly spaced from the lower edge of the panel. The airflow with is reduced as the flow moves from the lower portion of the bulkhead to the upper portion of the bulkhead as shown in Figures 10 and 16. Henning does not disclose that the bulkhead is secured to the wall in an elevated position above the floor of the trailer, however, the strap system of Henning provides structure capable of securing the bulkhead in an elevated position. Henning provides openings (34) which allow air to be drawn into the cavity. By having an elevated air return bulkhead, a larger flow of air is being provided wherein it is concluded that the entrainment of flow is a function of the cross-sectional area of the passage. This is recognized as a result effective variable, and would constitute an obvious design choice, since moving the bulkhead into a position to provide a larger volume of air would involve a mere rearrangement of the position of the bulkhead and involves only routine skill in the art.

Claims 3 and 13 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Henning (5,947,812)** in view of **Manfred (EP 1099598A2)**. **Henning et al** discloses the applicants primary inventive concept as stated above but does not specifically recite hook members. **Manfred** teaches that it is known to provide a removable bulkhead with hooks (3, 4) (SEE Figure 1). It would have been obvious to a person having ordinary skill in the art to which the subject matter pertains to provide the bulkhead of **Henning et al** with the hook members, as taught by **Manfred** for the purpose of providing a removable bulkhead which can be removed and reinstalled without the use of handheld tools.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

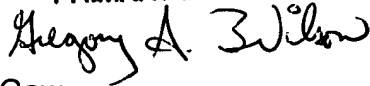
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory A. Wilson whose telephone number is (571)272-4882. The examiner can normally be reached on 7 am - 4:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ehud Gartenberg can be reached on (571) 272-4828. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3749

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

**GREGORY WILSON
PRIMARY EXAMINER**

A handwritten signature in black ink that reads "Gregory A. Wilson". The signature is written in a cursive, flowing style.

Gaw

September 13, 2006